Program Standards and Matrix
INITIAL PROGRAMS IN TECHNOLOGY EDUCATION

ND ESPB Standards	
10007.1. The program requires the study of the history, philosophy, and evolution of the field of technology education. The program uses varied performance assessments of the candidate's understanding and ability to apply that knowledge.	
10007.2 The program requires the study of the nature of technology including the scope of technology, core principles of technology, and technological relationships. The program uses varied performance assessments of the candidate's understanding and ability to apply that knowledge.	
10007.3 The program requires the study of technology and society including technological effects on society, technological effects on environment, how people shape technological development, and the evolution and history of technology's effects on society. The program uses varied performance assessments of the candidate's understanding and ability to apply that knowledge.	
10007.4 The program requires study of design including attributes of design, engineering design, and methods to solve design problems. The program uses varied performance assessments of the candidate's understanding and ability to apply that knowledge.	

10007.5   The program requires the study of abilities for a technological world, including application of design process, use and maintenance of products and systems, and assessment of the impact of products and systems. The program uses varied performance assessments of the candidate's understanding and ability to apply that knowledge.

10007.6   The program requires the study of the designed world. Areas will include medical technology, agriculture and related bio-technologies, energy and power technologies, information and communication technologies, transportation technology, manufacturing technology, and construction technology. The program uses varied performance assessments of the candidate's understanding and ability to apply that knowledge.

10007.7   The program requires study and experiences based on the following content organizers: resources for technology, design/engineering, inventions and innovations, technology systems, intelligent machines, and technology and entrepreneurship. The program uses varied performance assessments of the candidate's understanding and ability to apply that knowledge.

10007.8 The program requires the study of methods of teaching technology education including current trends, activity-oriented laboratory instruction, and authentic application of knowledge and skills. The program uses varied performance assessments of the candidate's abilities to apply their knowledge and skills in teaching situations. **10007.9** The program requires the study and experiences in developing, managing and evaluating technology education programs in schools. The program uses varied performance assessments of the candidate's understanding and ability to apply that knowledge. **10007.10** The program requires the study of the application of technology in instruction, specialty content preparation in educational computing and technology literacy, and the uses of technology-based productivity tools to support instruction and student learning. The program uses varied performance assessments of the candidate's understanding and ability to apply that knowledge.	